



## MONTGOMERY COUNTY FIRE AND RESCUE SERVICE DRIVER/OPERATOR TRAINING PROGRAM

# Practical Application Guide Sheet

### Aerial Ladder – Elevated Master Stream – Fixed Waterway

**Driver Performance Competency:** The driver candidate shall display proficiency in deployment and operation of an elevated master stream either from a detachable ladder pipe nozzle or a fixed waterway system.

#### Fixed Waterway System

1. Position apparatus on a firm, level surface within stream reach of fire. Ensure that there are no overhead obstructions and that the apparatus is outside the collapse zone. \_\_\_\_\_
2. Transfer power from the drive train to the hydraulic system by operating the selector valve to transfer hydraulic power from the stabilization system to the aerial device system. \_\_\_\_\_
3. Set the stabilizers. \_\_\_\_\_
4. Establish a water supply to the aerial waterway system by attaching a large diameter hose or multiple smaller lines from a pumper or a hydrant to the pump intake on the aerial apparatus. \_\_\_\_\_
5. Raise the aerial ladder to the desired operational position checking for overhead obstructions before lifting the aerial ladder from the bed. \_\_\_\_\_
6. Engage the aerial ladder locks once the aerial ladder has been extended to its desired position. \_\_\_\_\_
7. Charge the waterway and operate the fire stream making sure that solid stream nozzles are operated at 80psi and fog streams are operated at 100psi. \_\_\_\_\_
8. Tighten any leaking coupling connections. \_\_\_\_\_
9. Adjust as necessary, stop flow before repositioning or before a firefighter climbs to the tip. \_\_\_\_\_